

Title (en)  
COKE DRUM SEMI AUTOMATIC TOP DEHEADER

Title (de)  
VORRICHTUNG ZUM HALBAUTOMATISCHEN ABHEBEN DES OBERTEILS EINER VERKOKUNGSTROMMEL

Title (fr)  
DISPOSITIF D'ETETAGE SEMI-AUTOMATIQUE DE TOUR A COKE

Publication  
**EP 1114120 A1 20010711 (EN)**

Application  
**EP 99968246 A 19990831**

Priority  
• US 9919988 W 19990831  
• US 9850798 P 19980831

Abstract (en)  
[origin: WO0012650A1] A semi automatic coke drum deheader device (22) for use on a coke drum wherein the coke drum includes an upper opening (7), a flange (6) surrounding the upper opening (7) and a first vessel cover (2) releasably attached to the flange (6). The deheader device (22) comprises a frame (34a) attached to the coke drum, a bridge (1) for supporting the first vessel cover (2) and a second vessel cover (4), a central shaft (13) having a distal end (13a). A lift assembly is attached to the frame (34a) for engaging the thrust collar (37) to selectively raise and lower the bridge (1) relative to the flange (6), and a rotational assembly is operatively connected to the central shaft (13) for rotating the bridge (1) to selectively align the first vessel cover (2) or the second vessel cover (4) above the flange (6) during the delayed coking process.

IPC 1-7  
**C10B 25/00**; **C10B 1/06**; **C10B 1/00**; **F23M 7/00**

IPC 8 full level  
**C10B 25/10** (2006.01); **C10G 9/14** (2006.01); **C10B 25/22** (2006.01); **F16J 13/22** (2006.01); **F23M 7/00** (2006.01)

CPC (source: EP US)  
**C10B 25/10** (2013.01 - EP US); **C10B 25/22** (2013.01 - EP US); **F16J 13/22** (2013.01 - EP US); **F23M 7/00** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0012650 A1 20000309**; **WO 0012650 A8 20011108**; AT E389006 T1 20080315; AU 6024099 A 20000321; CA 2341710 A1 20000309; CA 2341710 C 20031209; CN 1216961 C 20050831; CN 1334856 A 20020206; DE 69938349 D1 20080424; DE 69938349 T2 20090402; EP 1114120 A1 20010711; EP 1114120 A4 20070502; EP 1114120 B1 20080312; ES 2303389 T3 20080801; JP 2003535150 A 20031125; JP 4392128 B2 20091224; NO 20010983 D0 20010227; NO 20010983 L 20010430; NO 328813 B1 20100518; UA 51846 C2 20021216; US 6228225 B1 20010508

DOCDB simple family (application)  
**US 9919988 W 19990831**; AT 99968246 T 19990831; AU 6024099 A 19990831; CA 2341710 A 19990831; CN 99812811 A 19990831; DE 69938349 T 19990831; EP 99968246 A 19990831; ES 99968246 T 19990831; JP 2000567646 A 19990831; NO 20010983 A 20010227; UA 01031993 A 19990831; US 38703099 A 19990831